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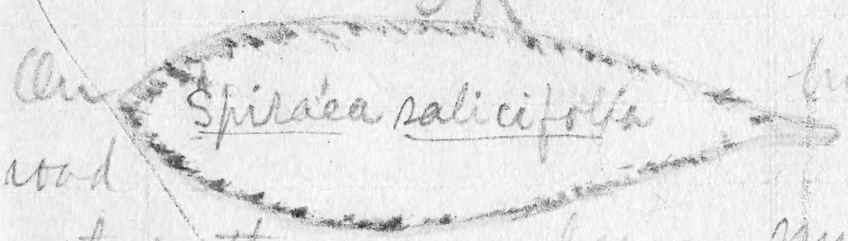
3J

One solitary on linden Plattsburgh June 14. Hd 1.8 greenish testaceous mottled brown dotted above, the dots segregating into a black brown band from ocellus ¾ to vertex. Ocelli black, mouth brown. Sep irregularly folded 2-3 annulate, slightly shining smooth leaf green. Thos feet clear. Old feet 6-11, 13; no prong

OUT

3K



On brush fence road side, eating the young leaves. Nuptial June 17. 94 Keene Valley N.Y. a. Sh hd 1.2 Hd 1.2 pale greenish not shiny, mouth brown, ocelli black a spot. Feet 6-12, 13 post. the a leaf longest, bod very slightly flat ventrally, a tapering post, rests flat on vertex. Several little white pointed elevations, like sharp teeth, with 2 cusps. Two other ad-d, tin s-d, a single 1 cusp dot last and 3 in a △ stg post and 6 on sev fold Rod all pale bluish green, not shiny closely like leaf. Tracheal lines evident. mole 1.2 Hd 1.2 ⊕ caramel testaceous, hind shin. eye black Rod smooth, ⊕ annulate, pale yellowish green, scarcely shiny and rather opaque

Imago Apr 14 1895. Blennocampa nuptialis

OUT

3L

~~On alder, singly, stretched and flat on upper side of leaf. Keene Mass, June 17 '94. Smooth, not shiny, pale leaf green covered with white bloom. Segs 6-annulate. Slightly larger through than ~~thread~~, smaller feet. The feet not large, just visible from d aspect, abd 6-12, 13 feet. Hd with white bloom, eye in black spot. Width 1.2 mm, length 18 mm long. Hds 1.0 analle, same size hd 1.4 molt June 20 Hd 1.45 (Sh hd 1.45) no white bloom. Body smooth, slightly shiny pale green, a little yellowish and rather opaque. Head bluish green, eye black. Later all uniform pinkish paraffine color. Amherst Apr 22 1895~~

~~Poecilosoma infecundum~~ Nort

Prostephana tibialis Nat (Nematus)

OUT Nematus

3M

~~Under bark of white birch. K.N. June 18. Feet 6-11, 13. Latter small, the underedge spreading. Hd 1.5 white scales shiny, eye black, mouth brown, a green tint from inside. Body smooth, not shiny, faintly 4-annulate, translucent leaf green, the pulsating edges of the dorsal vessel forming a geometric white d-line, filled in with the darker green blood. By incisions a little folded, giving brown white bands when retracted. Gradual thin endent. The feet clear.~~

~~Molting 23 Hd 1.4 Hd shiny with brown dotted. Body same but more shiny. Other July 10 Hd with brown shade of brown eye a bluish along Pectinate-Anal leg tinted with crimson. Other same Aug 1 1894 but got faded (mixed, hence (?) [passed ?4d; called them 3S first] Another OK~~

Calc. .26 .38 .54 .77 1.1 rat .7
found .5± .8± 1.0±

3 N

Little as alder, flat on venter and pumping under side, solitary. June 18 HD round, shiny black, pulse, W, .6 in Jeet 6-11, 13, the a little enlarged and feet slightly spreading. Legs distinct but rather faintly 3-annulate, anus 1 small, 2 and 3 with many pale setae so that the lower is pilose or hairy. Color translucent whitish with no yellow tint but give a dark green band by transparency as far as 12. In 13 forces show black. The feet faintly yellowish tinged.

[June 5 Cur HD 1.1 green with many little brown dots, a crafish pattern on shoulders, eye on black plus a dark patch above behind it mouth beneath. Body pale green dusted (brown) with white below]

June 4 June 19 HD .5± HD pale whitish with a black shade at side and venter. Body whitish with a faint greenish tinge, densely hairy. The tubercles slight. At caudal gives dark green shade. W. HD. .8 ±

June 5 HD 1.0 HD thickly brown dotted with a black patch at venter and another on sides covering eye, venter back to back, body, shiny pulse. Dorsal region obnacous blackish green, 5-6, venter, feet, & 13 post translucent whitish, not shiny pulse, the hair arising from thick pores pale tubercles on each of the 3 annulets. Hair rather short, pale (another same a little pedicelise cheny) Spun from large cocoons of white silk between leaves June 29.

Cladius n sp. Cart

Little of m 3K stuff, edge eater.
Hd large 1.1mm green with between, a
brownish blotch on clypeus, shining
ocellus black, mouth brown.
Feet 6-11, 13 Body not shiny, pale
green, a little yellowish; faint
trace of annulets. Naked but
indentations. Dressed grass & found
germinate white line. a very
characteristic larva.

Like 3G on alder Kenwalley June 20 '94
Solitary curled spirally on back of leaf
Hd 2.7 ± whitish below, a large black
cap on vertex, but all overspread
with white bloom; ocellus black
Segs about 7-annulate, as distinct as
incisures, pale green covered with
little isolated white dots and
overspread with a white bloom
Spiracles inverted conoidate black
Abd feet 6-12, 13. Body largest near
head end, a little smaller posterior
Moult June 23 Hd 3.6 (Shrd 2.8) Hd large
distinctly yellowish white, ocellus black
Body grassy green thickly dotted with
white, 8-annulate, feet pale, spiracles
black. no bloom just like 3G
Another of Populus tremuloides hd 3.6 the
upper ⅔ all black with slight bloom

OUT Nematus luteolagen

3Q

Edge eaters, wheelers on alder K.V. 6/20
hd 1 Hds. 83 all on edge gregarious, hd shiny
black, antennae & mouth pale, feet
6-11, 13, black anal prolegs. Red shiny
green, yellowish s-v on legs. Legs
obscure annulate all minutely
pilose but no distinct tubercles
a bluish red shade band and
also on the 2 parts of s-v ridge; the feet
and anal plate shaded with dusky black
& radiis ventral series of black patches
Larvae hds 1.1 mm shiny dark viridis, eye
black, minutely pilose. Body shiny green
rather dark, shaded more or
less with viridis especially s-v. Shiny
obscurely annulate, minutely pilose & rest
a dark band. s-v ridge shows a bluish
elevation. The feet partly anal plate and
prolegs largely black.
Out July 13 1894. Body brownish red
when fresh, color of 4H

3R On Pteris Jefferson Highlands N.H. June 16 1895 Hds.
1± and 1.4± no marks at all. Hds down to .6 same
by sweeping Pteris. Eye large, black. uniform green, d. & s-v
not contrasted. One went OUT down hd 1.5 June 20

3R* (See 5GB cf)

On habe Pteris solitary flat on venter
not edge, thorax scarcely enlarged
feet 6-12 (3 post. Hd white anteriorly
sordid testaceous tinge, eye black,
mouth brown, shiny, appr. with
an obscure brownish shade at vertex
Body not shiny, white, waxy but
appearing green except s-v from
the fat in alimentary canal. Legs
finely annulate, almost, but not
distinctly. Spiracle plate, tra-
cheal line white. Hds 1.0-1.1
Stage hd 2.0 large but body actually
green, the tissues suffused with
an unequal green tint except feet
annulate. A Stage hd 2.2 Hd same a
black patch behind eye and a
large one on vertex. Slightly shiny
neatly annulate, unequal tinted
shading into waxy s-v and on
back. Hind darker green. Last

3R* Another on Steris. Jefferson Highlands N.H. June 16 '98
Same but a blackish cloud connects vertigal & lateral patches and s-v orange yellow spots are large.

A Another on Steris Jefferson Highlands NH June 19 1895 Hd 2.2± spots behind eye confined to one on vertex! otherwise same.

Point of tips of feet black. Hackeel lain exposed; spiracle minute dark. Internal pigment below eye, slight pointed tale.

Another 9x5L g.v.

Hd 2.4* Shiny whitish eye; mouth dark; black shade behind eye touching it; next shiny black patch on vertex, pointed out, reaching dyfers where it enlarges a little. Body nearly annulate, light emerald green d. (fwd ant) wrinkly or 2 ant, 13, s-v and on feet; last 2 joints of spreading tips feet black tipped. a pair of black patches at base of anal plate and a pair of little venge ones below the black spiracles 3-12. Bed very slightly shiny

May Apr 21 1895 etc

~~Stenogaster annulatus~~ ?
(majority) ~~Stenogaster sericeatus~~ ?
*Stenogaster lucturosus (n.sp.)
(book 4L) ~~Mermatus~~ n. sp. (malat.)

4/30/19 b

3S (4H?)

P. sericeus

Shiny colored slips on weed chew Keene Valley, N.Y. June 24, 1894 Hd very pale testaceous, eye black. Body colored, shiny, stretchy, fwd shiny dark green; feet 6-12, all colored including the feet. Thro a little enlarged, its feet rather truncate Hd 3 mouth brown. Hd .7, .55 mm

Most June 27 Hd same .7 (Hd bed

Bed not shiny, subopaque very pale whitish ochreous (long caramel color) segs obscurely annulate with trans. d. watery areas, fwd blackish in front half of body

More punking under side of Chermes pennsylvanicus in small scattered patches, Jefferson Highlands N.H. June 20 1895 Shiny sticky colored, or very faint whitish greenish fwd distinct green not a large slug, no trace of blackish! Hd very pale eye black. One hump, caramel forward sit on under, veyes on upper surface.

Imago Apr 28 1896 Calirea obsoleta

Others Kansas 84. OUT June 15 95

Inwap Apr 22 1895 (+ ♂, 4M)

Nanophudonus nebi (?)

3T

See notes Lowa p112. are his species? Prof. Forbes

Flat, green as raspberry leaves singly; fuzzy and green like the stems, which they closely resemble. Hd rounded, mouth pointed, green; false eye black, w. wm ≡ Leg. obscurely 3-annulate, on 2d & 3d annulet a series of 4 sharp spines, the short stout, thick tibia pointed, 3 on each annulet, also spinule tuft on 2d alternately placed each a little below the one on 2d annulet, the lower one just on stig. line; 2 on upper part of S-V ridge (S-V and) and 2 on the lower part (S-V post, below). The upper 2 on 2d ann & upper 1 on 3d ann have black bases to V; all the rest white. Feet 6-12-13, body clear green a little yellowish. The feet clear white, black tips well spaced. Smooth, all translucent green, scarcely shiny. Hd 1.0 annulus with transverse interocular & slight median groove. Sp. inc. a little to ♀ ; no remarks. Lycosidae, to Pisauridae.

Egg wheel Jun Coxeland Park June 1895

Bluish white, shiny smooth, cylindrical the ends rounded OUT 1.5 x .5 mm. Jun saw cut egg just adhering to under surface

3U

Solitary web spinner on hazel but many in a bush, K.V. Jun 25 1894

Each in a part of a leaf rolled over in a somewhat cornucopia shape and felted with grayish web. Sometimes secured in one leg and then the rest of it is eaten up. (Abdd 1.5) Hd 1.4 rounded, pale translucent testaceous with brown shading a long pointed antenna before and above the black eye. Mouth broad a trans. narrow black edge. No feet slender pointed, uncinus colorless, abd. none but a pair of colorless pointed processes S-V on point B. Venter a little flattened posteriorly, 4 annulet, transparent shiny greenish, no marks, al. cand giving a bluish shade. Dorsal dark egg shells singly on back of leaf then white stem, elliptical 1.4 x .5 mm in size

Inwap Apr 16 1895 Lycosa ochreata Say

Calc. .61 .74 .96 1.3 1.75 out .74
Fat back

OUT
3V

Hd 1½ eating holes in leaf. Green markings faint. Eye black

On white birch, resting egg rather allied to 3E, 3M but seems different. Hd green with eye black, along a dark shade Ridgy median region and one dorsum and a trace on each vertex upward, w. 1.3 mm. Body like solution of chlorophyll, segs 4-amulate, indication of dusky lateral de on 2-3 annulets (7 and 6-11, on anal plate 2 short horn tipped projections) segs folded, each side d vessel a patch showing pale yellow consisting of a collection of (fat?) granules 5-12. [Stretched 1.0] turned emerald green and wind down on the twigs seen. Jun 29.

Fed 1.75 Same fat pattern very plain pale yellow consolidated into distinct spots, end of 13 above & below deep reddish

On Prunus serotina and Int. Ash. Jeff N.H. 1895 This (or Cimbex) egg laid in leaf of Ilex verticillata. Larvae hatched & would not eat. Recognizing them as allied to willow which they at once accepted voracious.

3W

Larva like Cimbex but marked like 3G on yellow. Hd 4.5, body stout yellow ringed, shagreened, not sharp, a crease before apex of each lobe; eye on black spot a point between for antenna. Red ringed spirally green encircled with white dots. Segs about 8-annulate, like seg. incisures 2/1 layer white dots on 5-U folds by segregating small nos. Spiracles linear-cordate black. Thoracic legs large pale. Black spot Abd 6-12, 13 pale green, Body higher than wide, shiny, smaller post. Another on Prunus serotina

Larvae April 20 1895 also Apr. 29 1896 !!

Trichiosoma triangulum Ridg.

Hd 4 mm Brown (pressed flat) 3-5 mm —

Egg 3 together under lower epidermis, follows Jefferson Highlands, N.H. A single one on four a large elliptic black patch of glands 3×4 mm in center, which is elliptic egg 2.5 × 1 mm. A cocoon transparent skin-like June 20. Hd 1.5 mm. Head white, thorax & a general blackish shade with red rings white annulate with annulate thorax. Thorax & legs black dark

29 (or 30 or 31) Jeffers Highlands N.H. Larvae hatching and larvae being [illegible]

Aux Sheep 5-11 1895 — Stenolotax in pilinfis

9	.35	.6	1.1	1.4	2.0	2.0
Ce	.18	.07	.98	1.4	2.0	not .70 Ce [illegible]

3Y Ca Amelanchier canadi Jefferson N, not June 95

3 X = (1)

Black water in white brick, K. V. January 1894 eaten holes, orbitary holes between longitudinal dotted, not thing, epidermis; w. 1.1 mm. Thorax a little wider, last year old, adjoined tapering, Jul 6-11, 13 surface objects tubercles gray a partly occupied cotton from above, legs 6 = annulate, a pair hooked and [illegible] and [illegible] color interrupt with a pale yellow Tarsi, the point giving the whole fancy of a green of bay, other two months now hairs.

[illegible] not [illegible] from M

[illegible]

3 X = N

Calc .34 .48 .69 .98 1.4 2.0

ult.

VII

Bot. Mag. 1-11 1895 — Stenogyne [illegible]

[illegible] .35 .6 1.1 1.4 2.0 2.0

Calc .48 .69 .98 1.4 2.0 [illegible]

3Y

Calculation [illegible]

Jefferson, [illegible] June 95

[illegible]

Hd. 6 Crical [illegible]

[illegible]

Hd. 11 Crical [illegible]

[illegible]

[illegible] 148 [illegible] Δ [illegible] back [illegible] smooth
[illegible] annulets [illegible]
[illegible] pale [illegible]
[illegible] annular [illegible] middle [illegible]

~~plates (but no plate) 5 [illegible] folds~~
~~[illegible] with pointed [illegible]~~
~~tubercles. Sep[illegible] 7 annulets ±~~
~~[illegible] pointed tubercles~~
~~3-d [illegible] of [illegible]~~
~~[illegible] fond [illegible]~~
~~[illegible] pale yellowish [illegible]~~
~~[illegible] lateral [illegible]~~
~~[illegible] behind the point and [illegible]~~
~~[illegible] behind the points [illegible]~~
~~4 [illegible] Sec 30 [illegible] 1.4 [illegible] smooth [illegible]~~
~~[illegible] Sep 6-annulate. 3d [illegible]~~
~~on 2 and [illegible] annulet and 6 in~~
~~[illegible] [illegible]. [illegible]~~
~~[illegible] 2.0 [illegible]~~
~~[illegible]. Sep [illegible] annulate~~
~~[illegible] [illegible]~~
~~3(6) [illegible] July 11 [illegible]~~
~~[illegible] smooth [illegible]~~
~~[illegible] yellowish color, no [illegible]~~
~~[illegible]~~
~~[illegible]~~

[illegible] on both [illegible] of the
[illegible] leaf [illegible]
[illegible] 18 [illegible] ± [illegible] pale
[illegible], [illegible] like [illegible].
[illegible] 16 [illegible] same [illegible]
[illegible] 3 Z [illegible]
[illegible] 21 [illegible] 1 ±
[illegible]

([illegible] Tecumseh [illegible]
July 1, 1898. [illegible] 1.1 [illegible]
[illegible] pasture [illegible]
[illegible] 6-11, 13 [illegible]
[illegible] visible [illegible]. Single
[illegible]. 4 to 5 [illegible]
[illegible],
[illegible] in 2 rows [illegible] on
[illegible] annulet [illegible] other [illegible]
[illegible], [illegible] little [illegible]
[illegible] yellowish
[illegible] 12
[illegible] 5-d [illegible]
[illegible] large [illegible]
[illegible] dark. [illegible]
[illegible]
[illegible] 2 [illegible] 12 [illegible] 5 [illegible]
[illegible]
[illegible]
[illegible]

[illegible] 1.6 10 [illegible]

INDEX

1A

living clay on poplar, appearing all pale & colorless (dead before examined) Hd 1.0 mm.

molt last skin, but transformed ecdysed exuvia are normal. Hd pale pinkish & dark eyes.

This is the first period of SF (q.v.) Some of Jefferson's birds, n.b. Hawks receive no injection after moults except eyes & vessel. Hd of the quick change occurred from 6.7, eye & back. Later molts include shedding a dorsal & spot on side. Bred (a lot) 1.5.61

4B

6.7.B 1.p

Resting on bark, yellow-brown but resembles pale exter. feat 6.7.1.B

Soft, pliable & shining light green

[illegible] every stage of yellow.

Hd [illegible] 1.8

Sept. 6 [illegible] 2d & 3d ommat

much larger than the others. λ.

vessel - [illegible] its dark

pigment [illegible], leaving

[illegible] Hd dark, specific

[illegible] Eye pigment. The

last skin. Body uniform in size

& [illegible] smaller post. length & mom

ment B not in a fresh home space,

[illegible] the rest

Jefferson color sheet with

Hesperiidae & [illegible] all the common

[illegible] & [illegible] found in spots on the

[illegible], a little on top of head

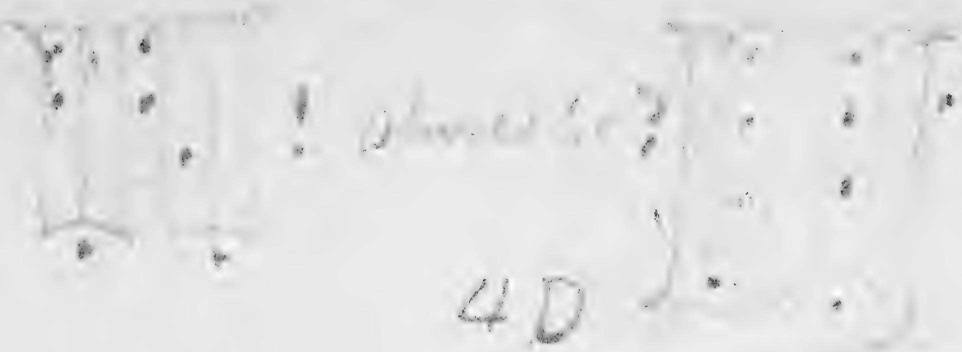
Bred in [illegible]

[illegible] by [illegible] grass with a wet sponge [illegible] it [illegible] from other [illegible] the greenish [illegible]. [illegible] ves the same in color Hd 2.2-2.3, 1.6 1.5 [illegible] 1.85 [illegible] 2.4

4C

1 On grass (Setaria type, other) brought in by the little girl on a hot [illegible], July 2 1894 Hd large rounded, whitish, obscurely shining, eye black; [illegible] set 6-12, 13, all [illegible] rather small, colorless except a brown line at base and lateral [illegible]. Body smooth, 6 annulate, but not conspicuously, the annulets [illegible] granular [illegible] less [illegible] shining obscurous, no marks but the tracheal line appears as a whitish line, rather broad and the dorsal vessel as a distinct pale gray band. [illegible]

On grass Jefferson Highlands, N.H. June 16 1895 Same. Hd 2.2 [illegible] body a little conical, [illegible] Besides the brighter [illegible] line [illegible] but more obscure [illegible] appear [illegible] the gray dorsal vessel and lateral regions.



4D

2 [illegible] and [illegible] Hd [illegible] Head no wider [illegible] [illegible], [illegible] rather small black [illegible] pale yellowish. W. 1.4 mm St. 1.45 [illegible] 6-12, 13, [illegible] flat, [illegible] ridge [illegible] smooth, 6 annulate like [illegible] 2, [illegible] on 13 [illegible] yellow; small tubercle on black [illegible] on annulet 2 and 4, [illegible] on annulet 4 [illegible] a [illegible] above, [illegible] on each [illegible] and [illegible] [illegible] segments [illegible] black patch [illegible] bounding [illegible] gray [illegible] [illegible] dorsal [illegible] dusky [illegible]. Tubercles conical [illegible] small, round, distinct [illegible] black [illegible] pale [illegible] gray [illegible] eye black [illegible] same [illegible]

[illegible] 2.5 [illegible]

4 on rock Pouncey Point N.Y. June 13 1895
Hd c thr. just black. Body [illegible] [illegible] 5-7 and on 2-3. [illegible] [illegible] (not taken) [illegible] May 30 [illegible] [illegible] [illegible]

4E [illegible] 1.6 1.6

On young lea[illegible] [illegible] N.Y. July 5 [illegible]
[illegible] in winter, allied to 4D
Hd. black transparent, not very shiny
smooth w 1.75 feet 6-13, fairly thick, side
2, no ridge, 6 annulate but long
distinct [illegible] [illegible], smooth
slightly shiny color opaque
white, with a broader gray
fringe, thorax 2-4 [illegible] spiracle
and 13 just [illegible] shaded with
pale yellow. Tr. dorsal line evident
a [illegible] of [illegible] white pigment
[illegible] the [illegible] [illegible] [illegible]
[illegible] over dorsal area nearly
down to spiracles. And Apr 12 1898 [illegible]
"next" [illegible] [illegible] [illegible] Sh [illegible] 1.6
(not [illegible])

Then [illegible] May 27 (97) Hd 1.0 [illegible]
Body [illegible] [illegible] [illegible]
a little yellow 2 and [illegible] [illegible]
black Sh [illegible] black .6± Shd
May 29 Hd 1.2 [illegible]

[illegible] May 7 1895

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] pale [illegible] [illegible]
[illegible] [illegible] 6 annulate [illegible]
[illegible] [illegible] pale [illegible]. Thorax
[illegible] [illegible] and blackish. Thick. high Hd 1.62

Out (c 3+) May 1 1895

On blackbirch Jefferson Highlands N.H. June 29 1895
Hd. 7 Black [illegible] [illegible] [illegible] [illegible]
of blacksooty. Ant edge [illegible] distinctly ocelloid
Hd 25 [illegible] a little 4E darker [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] a little [illegible]; 5-8 slightly wavy.
Fed in winter, white birch, K. [illegible]
Hd. 1 mm pale [illegible] lateral patch [illegible]
[illegible] shiny. Thr. a little [illegible]
6-13 [illegible], 6 annulate not [illegible]
[illegible] white [illegible] [illegible]
[illegible] black [illegible] [illegible]
Hd. 1.4± [illegible] a [illegible]
[illegible] [illegible] lateral
[illegible] [illegible]
6 annulate not shiny. [illegible]
a very [illegible] black
irregular [illegible] black
marks in [illegible] 5-7 [illegible]
[illegible] pale [illegible]
black [illegible]
[illegible]
[illegible]

Sh Hd 1.4

[illegible]

Jonesville May 11 1895

Tenthredo arcadiae

[illegible] 3 miles [illegible] the carriage road [illegible] May 22 1895. [illegible]

4 G

Green spined caterpillar on white birch, Kelsey Valley, N.Y. July 7, 1894. Hd 2.0, 2.4. Head very pale, slightly testaceous, showing a brownish [illegible] when in water, and under lens. 3 pale lines, the middle one distinct. Sep 4-6 moults, on 3 and 4 (or 1, 3) moults 5 [i.e. 1 and 6 moults 5 may be gone]. Some very minute white [illegible] tiny in stage 5 or [illegible] 4. The last 3 and another [illegible] were 3; [illegible] 4 or 5 pale [illegible] given [illegible] (or [illegible] 1 or 2 [illegible] have) composed of fat; [illegible] under the blow [illegible] the animals. Food was [illegible] green, [illegible] dark. The last part [illegible] consists of [illegible] and [illegible] 12 [illegible] 2.0 [illegible]

4 H

[illegible] 2 [illegible] in white birch [illegible] Kelsey Valley, July 9, 1894. Very [illegible] white [illegible] dotted, [illegible] W. 1.6 [illegible] pale [illegible] a [illegible] [illegible] 6 [illegible] a lateral [illegible] [illegible] the [illegible] by [illegible] pale [illegible] 5-8 [illegible] 5-8 [illegible] pale [illegible] 6-11 [illegible] 2 [illegible] 12 [illegible] 17 mm

4I

White on bush honeysuckle (Diervilla trifida), Keene Valley, N.Y. July 5 1887
Solitary, flat on venter or curled spirally. Hd whitish with a black [illegible] on [illegible] eyes [illegible] with white [illegible], eye black. w. 1.4
Segs 7 [illegible], nearly like [illegible] all whitish, [illegible] with brown, no [illegible]. feet 6-13 all pale [illegible] brown.
Molt July 19 Hd 2.0 ([illegible] Hd 2) Hd [illegible] testaceous [illegible] warty [illegible] uniform [illegible]. eye black

---

[illegible] Hd. 6 [illegible] [illegible] like 3X [illegible] in wood

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4J

~~Closely similar to 4G in color but without white [illegible] T. Habit and shape L M which I first thought it to be. Hd slightly granular, shagreened, a little polished, [illegible] [illegible], [illegible] most not shiny, eye in a [illegible] black, 2 blackish shades on back of head above behind vertex. w. 1.8 mm. Has a little enlarged its feet spreading, whitish flattened feet 5-11, 13. 5 very slightly flattened with a few [illegible]. Segments not very complete 5-6 annulets [illegible] [illegible], [illegible] translucent [illegible] feet [illegible] trail. Just below there a series of [illegible] green of [illegible] granules and [illegible] forming a more continuous band (more [illegible] land) Nuchal line evident. Spiracles pale. Larva [illegible] yellowish with [illegible] [illegible] [illegible]~~

[See 3X] [illegible] Apr 15 1885 [illegible]

[illegible] N.H. June 20 '98 [illegible] 7± [illegible]
[illegible] black [illegible] black [illegible]
[illegible] 5 [illegible]
black 2 [illegible]
[illegible] and
[illegible]
[illegible] 2
[illegible] 3 [illegible] 4 K [illegible] white ridges
[illegible]

On white birch, closely allied to 3U but seems different, solitary, [illegible] the same [illegible] web. Green and plates, (scarcely) above and (greyish) below marked with black patches, [illegible] whitish. Segs [illegible] annulets, 5-7 fold. [illegible] Hd green, eye black, [illegible] with black; [illegible] green with a [illegible] whitish shading below [illegible] rendering it rather [illegible], [illegible] joint 2 [illegible] and [illegible], at base of [illegible] pale [illegible] just marked (narrowly) white along [illegible] to match the black [illegible] ventral and [illegible]
W. hd 1.5 ± mm [illegible] dark [illegible] line

[illegible] 16 [illegible] head 1.2 [illegible]
[illegible]
[illegible] 2.3 [illegible]
[illegible]
[illegible]

Coll. .34 .48 .64 .96 1.4 [illegible] .0
[illegible] annulets [illegible]
[illegible]
[illegible]
[illegible] 4L 4E [illegible]
[illegible]

[illegible] green, [illegible] 13
willow, [illegible] July 3, 1899 N/b
just [illegible] leaf. White green, a [illegible] and [illegible] by [illegible] a few white annulets [illegible] laterally. Seg [illegible] annulets [illegible] head 6-1/13 [illegible] as [illegible] color [illegible] black, w. 1.6 ± (head 1.4)
[illegible] .34, .48 [illegible] head 1.6 [illegible] annulets [illegible] black

On willow [illegible] N.H. June 16 '98 [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

4M

Solitary on raspberry eating whole leaf
Ann Arbor, July 15 1894. Hd greenish
white, eye in large black spot. A
T-shaped blackish patch on vertex
the broad part above ocyspers w. 2.2 mm ±
Sep. Gamelata, feet 6-13 Body clear
green with blackish above spiracles
except in a festooned whitish stripe on
the pair almost cutting out a row
of elliptical sequestered patches
resembles of sooty black in S-V folds, base
of beet and end of 13 on a whitish
green color. not at all shiny. a
little very minute pile on head
and body but not pilose. The lower
border of d. shading is emphasized by
a series of sooty black patches. The
feet clear except black patch at base
most (Pubd. 2.7) same but shiny to J
black more pale, body beneath
and on sides tinged (pinkish) mottled

4N

Very young leaves of black oak, eating the
whole leaf down irregularly. Start on venter
but held by the feet and flop up abd.
feet 6-11, 13 but very small, nearly abort
none of them used, the feet large. Body
smooth, stiff as if blown, shining
colorless, the feed showing green. Sep.
wrinkled into 4 annulet by crease
not incised. S-V fold prominent in
centre of seg. giving fluted outline
Prochaete very evident. Hd. colorless tinged
with blackish (.6 mm) or brownish (.8 mm)
especially below. Eye black, mouth brown
a little fine pile on head
Anal end of blunt, less transparent and
with distinct blackish dots in 3 trans
rows per seg. Hd green with tinged. S on
smooth, a little shiny. S-V fold occupies
anterior segment. Made a watery dirt (5 hds
[illegible])

Acordulicera dorsalis Say
McGill.

4M

Solitary on raspberry eating whole leaf
Keen Lake, July 15 1894. Hd greenish
white, eye in large black spot. A
T-shaped blackish patch on vertex
the broad part above eyes. W. 2.2 mm ±
Sep. Gamulata, feet 6-13. Body clothed
sparsely with blackish above spiracles
except in a festooned whitish s-d line
the pair almost cutting out a row
of elliptical sequinitary d. patches
Torsches of sixty black in S-V folds, base
of 2 & end of 13 on a whitish
green color. Not at all shiny. A
little very minute pile on head
and body but not pilose. The lava
tinge of d. shading is emphasized by
a series of sixty black patches. The
feet clear except black patch at base
mostly (Ibid. 2.4) same but shiny & J
black with pale, freely branched
and sparsely tufted (pinkish when off)

4N

On very gray leaves of black oak, eating the
whole leaf down irregularly. Hat on vertex
that bends by the feet and flap up abd.
Feet 6-11, 13 but very small, nearly abort
none of them used, the feet large. Body
smooth, stiff as if blown, shining
colorless, the feet showing green. Sep.
wrinkled into 4 annulets by creases
not incised. S-V folds prominent in
centre of seg. giving dotted outline
Prothorax very entire. Hd. colorless tinged
with blackish (.6 mm) or brownish (.8 mm)
especially below. Eye black, mouth brown
a little fine pile on head
Hind end of blank less transparent and
with distinct blackish dots in 3 transv.
rows per seg. Hd grayish tinged. S in
smooth, a little shiny, S-V folds obscured
pigment. Made a watery dirt (Ibid.
2.5)

Acordulicera dorsalis Say
McGill.

40 on Nov 18 1896 = 5x